

ASTD/TDI Project Static Report

Accelerated Closure of Building 771 Using Remote/Robotic Technology

Focus Area:	Decontamination and Decommissioning Focus Area	Focus Area Manager: John Duda, (304) 285-4217
TTP No.:	RF19DD61	Principal Investigator: Charles Brown, (303) 966-5277
Lead Site:	Rocky Flats	
Project No.:	99-ASTD-27	Technology Vendor(s)/Commercial Partner(s):
Tech ID/TMS No.:		None identified at this time

Related Publication(s):

Web Page(s):

Description: This deployment uses a vendor-fabricated, self-contained "turnkey" system into which tanks and gloveboxes can be moved. State-of-the-art cutting devices will be used that can be controlled remotely or operated robotically. A modular design facilitates relocation of the station to other buildings on site. The system will be configured with:

- a containment structure to house equipment and prevent spread of contamination
- a staging area outside of the containment for equipment and waste containers
- a size reduction station inside the containment equipped with automatic cutting devices
- a waste packaging station for loading, weighing and sealing waste containers

Application: Sites with large quantities of highly contaminated TRU waste requiring size reduction prior to packaging/disposal.

Location(s): RFETS

Technology(ies):

Camera Viewing System

Laser Cutting Tool

Plasma Arc Cutting

Remote/Robotic System for Tool Deployment

	Funding (\$K):	<u>FY-98</u>	<u>FY-99</u>	<u>FY-00</u>	<u>FY-01</u>	<u>Total</u>
TTP No.:	RF19DD61	\$0	\$2,000	\$0	\$0	\$2,000
Leverage Source:	EM-40					\$8,600
					Funding Total (\$K):	\$10,600

Cost Savings (\$M):	<u>Proposal</u>	<u>Deployment Plan/TTP</u>	<u>Current Focus Area Projection</u>
	\$29,952	Pending	\$6,400